

Attachment
OSA 3192/69

Name: Dr. Donald H. Steininger

Position: Assistant Deputy Director for Science
and Technology

Education: BS - Military Engineering - US Military
Academy, West Point - 1947

MS and PhD - Physics - Penn State
University - 1956

Professional/Military Experience:

- 1943-44: Apprentice Seaman, V-12, Purdue
University
- 1944-47: USMA
- 1947-52: Various military assignments
- 1952-55: Penn State University (Degree
granted in 1956)
- 1955-60: Ballistic Research Labs, Aberdeen,
Maryland
- 1960-61: US Army Command and General Staff
College
- 1961-62: Chief, Test Operations - US Missile
Command, Redstone Arsenal
- 1962-65: Assistant/Adviser to Director's
(Office of Science and Technology)
Special Assistant on Civilian Space
Programs - White House
- 1965-69: Technical Assistant to Director,
Office of Science and Technology,
White House

November 1969

NRO review(s) completed.

BIOGRAPHY OF FUMIO ROBERT NAKA

Dr. Fumio Robert Naka was born in San Francisco, California on July 18, 1923. He received a Bachelor of Science degree in Electrical Engineering from the University of Missouri in 1945, a Master of Science in E.E. degree from the University of Minnesota in 1947 and a Doctor of Science degree (electron optics) from Harvard University in 1951. In 1967 he was a member of the 51st Advanced Management Program at the Harvard Business School.

During his academic career Dr. Naka was an Instructor in E.E. at the University of Minnesota and a Teaching Fellow at Harvard University. He completed his doctorate as an RCA Fellow in Electronics, awarded by the National Research Council.

In June of 1951 Dr. Naka joined the Research Laboratory of Electronics at the Massachusetts Institute of Technology which formed the nucleus of the Lincoln Laboratory. There he contributed to radar designs which are operating today in the DEW-line, the Air Defense network, and in BMEWS. In 1954 he was named Associate Group Leader and in 1956 Group Leader.

In 1959 Dr. Naka was asked to join the newly formed MITRE Corporation to establish a Radar Systems and Techniques Department. He was subsequently promoted to Associate Technical Director in 1960, Technical Director of Surveillance and Defense Systems in 1962 and in 1968 he was named Chief Scientist, the position he now holds. Since 1962 he has served as Chairman of MITRE's Independent Research Committee.

Dr. Naka has served on a number of governmental advisory and study groups, including the Frequency Diversity Advisory Group and Project Forecast. Last year he was Study Director of a Joint Mission Analysis on the Surveillance of Objects in Space performed for Air Force Systems Command and Aerospace Defense Command. He is presently Chairman of an Ad Hoc Committee on Surveillance for the Defense Communications Planning Group and Chairman of a working group for the AN/FPS-95 experimental program. He is also a member of the Tracking Accuracy Panel of the National Academy of Science's Advisory Committee to the Air Force Systems Command.

Dr. Naka is a senior member of the IEEE and a member of Tau Beta Pi, Sigma Xi, the Druids (ODK), and the New York Academy of Sciences.

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F. ROBERT NAKA

Position:

Chief Scientist, 1968–
Responsible for the advancement of the Corporation's scientific activities.

Experience:

MITRE, Technical Director, Surveillance and Defense Systems, 1962–1968;
Chairman, Independent Research Committee, 1962–present; Associate Technical
Director, Control and Sensor Systems Development, 1960–1962; Department Head,
Radar Systems and Techniques, 1959–1960.
M.I.T. Lincoln Laboratory, Group Leader, Ground Radars, 1956–1959; Associate
Group Leader and Staff Member, Search Radars, 1951–1956.
Harvard University, Research Fellow, 1949–1951; Teaching Fellow, 1947–1949.
University of Minnesota, Instructor in Electrical Engineering, 1945–1947.

Education:

University of Missouri, B.S.E.E., 1945.
University of Minnesota, M.S.E.E., 1947.
Harvard University, Sc.D., 1951.
Harvard Business School, Advanced Management Program, Spring 1967.

Professional Societies:

I.E.E.E., New York Academy of Sciences.

Honors:

National Research Council (RCA) Predoctoral Fellow, Tau Beta Pi, Sigma Xi.
American Men of Science, 1967.